



COMDTINST 3140.3D

13 JAN 1988

COMMANDANT INSTRUCTION 3140.3D

Subj: Coastal Weather Program

1. PURPOSE. To set forth policy for weather observation, reporting, and dissemination from Coast Guard shore units and offshore light stations; and, to direct the coordination with the National Weather Service (NWS) for these activities.
2. DIRECTIVES AFFECTED. Commandant Instruction 3140.3C is canceled.
3. PROGRAM OBJECTIVES. To support the National Weather Service in conducting its federally-mandated weather forecasting and dissemination program by:
 - a. Designating those stations and units required to report weather observations.
 - b. Ensuring that weather reports are made in the suitable format as prescribed by the NWS.
 - c. Ensuring that uniform and timely communication procedures and methods are used to convey this information to the NWS.
 - d. Providing procedures for units not participating in a regular weather reporting program which may be required to make weather observations in support of NWS special programs.
4. POLICY. Title 14 Section 147 of the U.S. Code authorizes the Commandant to procure, maintain, and make available facilities and assistance for observing, investigating, and communicating weather phenomena and for disseminating weather data, forecasts and warnings in cooperation with the Director of the National Weather Service. To this end the Commandant supports a program to ensure the high quality and quantity of weather observations for NWS marine weather forecasts. The Coast Guard, as a user, depends upon high quality forecasts for our missions in the marine environment.

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• **NON-STANDARD DISTRIBUTION:**

NOAA/National Weather Service(50) National Climatic Data Center,
USAF/Air Weather Service(MAC)(05) Asheville,NC (03)
FAA/ATS Weather Staff (AT-40)(02)

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5. DISCUSSION.

- a. The National Weather Service has statutory responsibility for providing weather information to the public. The Coast Guard cooperates with the NWS in discharging this responsibility by collecting and providing raw weather and sea data to NWS, and by disseminating NWS's weather forecasts through radio broadcasts and visual warning displays.
- b. Frequently, Coast Guard coastal stations and units are the only source of weather observations in certain coastal regions of the U.S. These observations become critical in developing accurate marine weather forecasts. Careful weather observations and accurate and timely relay of the data are essential components of the weather forecasting process.
- c. The loss of weather information from Coast Guard Light Stations due to automation has created gaps in the coverage provided by the national marine weather reporting network. Automated meteorological equipment is being added to certain Coast Guard Light Stations by the NWS to fill this void.
- d. The importance of meteorological observation reports to weather forecasting should not be underestimated. These reports have a significant role as the data base for operating the weather forecasting models as well as for determining regional variations in meteorological conditions over time.

6. WEATHER OBSERVATION PROGRAM.

- a. All Coast Guard operational shore units, unless specifically exempted by the cognizant district commander, shall record weather observations in accordance with this instruction. Seasonal stations shall make observations only during operational periods. (Any units which secure from watchstanding at night and are required to take observations, shall take observations only at those times an active watch is maintained.)
- b. All weather observations shall normally be recorded on NOAA Form 72-5a, MARINE COASTAL WEATHER LOG-COASTAL STATION. (Instructions for the proper preparation of Form 72-5a are contained with each pad.)
- c. The NWS may request certain shore units, subject to approval by the district commander, to make detailed aeronautical observations in support of special forecast and warning service programs (primarily in the Seventeenth Coast Guard District). Stations making aeronautical observations will use NWS Form MF 1-10C, SURFACE WEATHER OBSERVATION.
- d. NWS-CG arrangements for designating additional reporting stations, or for making more complete and detailed observations, will be left to the discretion of district commanders.

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6. e. Coast Guard units required to take observations on the forms noted above shall observe and record weather conditions at the meteorological synoptic hours: 0000Z, 0300Z, 0600Z, 0900Z, 1200Z, 1500Z, 1800Z, and 2100Z. Supplemental or alternate observation times may be prescribed by special local agreement.

7. WEATHER REPORTING PROGRAM.

- a. District commanders have designated certain Coast Guard units as weather reporting units. These units have been assigned three letter identifiers by the FAA. Reporting units will transmit data entries from their NOAA Form 72-5a to their collection points, using the assigned station identifier codes.
- b. Timely reporting of data is critical and delivery of the data collected should be made at once by the swiftest means available in a standardized format. In order to ensure this, specific communication and format procedures are provided in enclosure (2).
- c. Enclosure (3) lists several conditions which will necessitate a special report to be made. The heading "Special Report" will be used to denote these reports to the collection point. "Special Reports" are to be transmitted immediately and should not be delayed.
- d. Coast Guard communications/radio stations shall accept weather messages for the National Weather Service from any reporting unit (government or non-government). (This does not preclude any Coast Guard unit from accepting weather information from any source.)

8. DISPOSITION OF COMPLETED WEATHER LOGS.

- a. Non-reporting units (i.e., without real time transmission requirements) should mail completed forms at the end of each quarter (three months) to:

National Climatic Data Center
Federal Building
Asheville, North Carolina 28801-2696
Attn: Archival Services Branch

Preadressed envelopes may be ordered from the CG Supply Center, Brooklyn, New York using National Stock Number 7530-00-F02-3770.

- b. Reporting units (i.e., units with real time transmission requirements) will mail completed forms each month to their National Weather Service monitoring office (enclosure (1)). Preadressed envelopes will be provided by that office.
- c. Records Storage: It is not necessary to retain copies of completed forms on board any unit. The National Climatic Data Center Archives constitute an official public records depository and all completed weather log forms are stored there.

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8. c. (cont'd) Requests for historical weather information, collected under this program, shall be referred to the National Climatic Data Center.

9. WEATHER DISSEMINATION PROGRAM.

- a. Radio Dissemination. The Commandant supports a broadcast program which provides weather information tailored to the marine environment, in both coastal and high seas areas. Weather and other environmental information in areas of high danger and/or high boating concentrations are particularly important. Scheduled marine information broadcasts will be provided as directed in the Radio Frequency Plan, COMDTINST 2400.1D and may include other marine information. Unscheduled special weather warnings - special, small craft, gale, storm, and hurricane - will be broadcast immediately upon receipt from the National Weather Service. Stations authorized by NWS to initiate visual weather warnings based upon local observations shall also make unscheduled radio transmissions as prescribed in enclosure (4).
- b. Visual Dissemination. District commanders, in cooperation with National Weather Service regional directors, will designate those Coast Guard facilities required to display coastal warning signals. To provide for prompt reaction to hazardous conditions that are officially observed but not yet forecasted, selected display stations have been authorized by the National Weather Service to initiate visual advisories. Enclosure (5) provides instructions to participating Coast Guard units.
- c. Solicitations for Weather Information
- (1) On occasion, Coast Guard facilities receive direct requests for updated weather forecasts. The recipient of the call shall respond in a courteous and helpful manner. The caller should be advised that the Coast Guard does not prepare or issue weather forecasts, and that the latest weather information may be obtained from NOAA Weather Radio. The recipient of the call should offer to read the caller the latest NWS forecast. Qualified forecasters at Coast Guard Air Stations may provide weather forecasts to search and rescue and marine environmental response participants in cases under Coast Guard control in which commercial or other government ships or aircraft are actively involved (cf. Coast Guard Regulations M5000.3A, para 4-1-29 thru 4-1-32).
- (2) Coast Guard units may provide information regarding existing weather or sea conditions. In supplying locally observed conditions the exact location, time and source of the observation should be given. It should be clearly stated what weather elements, if any, are estimated.

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9. c. (2) (cont'd) A suggested format would be: "The weather conditions at the Coast Guard Light Station Bear Island at 6:00 pm local time are partly cloudy and raining with an estimated visibility of 8 miles. The temperature is 75 degrees Fahrenheit and the barometer reads 29.92 inches. The seas are estimated to be 2-4 feet and the wind is estimated to be 15 kts from the SW."
 - (3) Requests for other information, such as tidal states, may also be received. These requests should be accommodated if the information is known. Otherwise, the caller should be courteously informed that the Coast Guard does not normally have this information, and should be directed to a more appropriate source (e.g., Port Meteorological Officer).
10. REQUESTS FOR INSTALLATION OF NWS EQUIPMENT. Periodically the Coast Guard receives requests from NWS to equip light stations, offshore structures, and stations with automated remote sensing meteorological equipment. The following procedure shall be followed:
- a. Requests.
 - (1) All requests from the National Weather Service will be forwarded to the appropriate district commander for review and approval.
 - (2) Requests should contain at minimum a tentative installation date, the type of equipment to be installed and the name and telephone number of the National Weather Service project manager.
 - (3) Approved requests will be returned for implementation. Local liaison will then be authorized.
 - b. Installation.
 - (1) The U.S. Coast Guard will provide:
 - (a) Information on the existing equipment configurations, power supplies, space availability, and environmental conditions.
 - (b) Transportation to and from the site location. Installation should be arranged to coincide with routine servicing visits.
 - (c) Welding and other technical services necessary for the installation of the meteorological equipment.
 - (2) The National Weather Service will provide:
 - (a) All electronics, test equipment and cabling necessary for installation.
 - (b) Technical representatives to assist and provide services for the installation of the equipment.

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10. c. Maintenance.

- (1) The U.S. Coast Guard will provide:
 - (a) Transportation to and from the site location for routine or repair visits, normally to coincide with regular servicing visits. No commitment to respond to system failures on an urgent or demand basis is implied.
- (2) The National Weather Service shall:
 - (a) Provide for all equipment and personnel necessary to maintain and repair installed equipment.
 - (b) Provide for data to be automatically relayed without Coast Guard handling.

11. ACTION.

- a. Area and district commanders, commanders of maintenance and logistics commands, and unit commanding officers shall comply with the contents of this instruction.
- b. District commanders shall:
 - (1) Implement the above policy to the extent that resources permit.
 - (2) Designate certain Coast Guard units as weather reporting units.
 - (3) Ensure that communication and formatting procedures, as prescribed in enclosure (2), are properly observed and observations rapidly conveyed by the district weather reporting units .
 - (4) Shall, upon receipt of this instruction, review the current list of coastal units, enclosure (6), and report corrections, additions and deletions to COMDT (G-OIO) indicating which are reporting and which are non-reporting units as defined in paragraphs 6 and 7 of this instruction. List should include number of observations per day and times, and the three letter code. Also if it is day/night working display.
 - (5) Shall submit timely reports of change in weather reporting units and coastal warning display stations (RCS-G-OIO-2155) to Commandant (G-OIO), with copy to National Weather Service (W/050141X2), NOAA, Silver Spring, MD, 20910. Reports of new stations should include latitude and longitude, the number of observations per day and times, and/or the type of display (day, day/night, etc.). NWS will provide the three letter identifier.

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- 11 c. Unit commanding officers and officers-in-charge of reporting, observing and display stations shall:

- (1) Comply with applicable portions of this instruction.
- (2) Ensure all weather observation forms are properly filled out and submitted as directed.

12. REPORTS AND FORMS.

- a. Non-reporting units can obtain NOAA Form 72-5a, MARINE COASTAL WEATHER LOG COASTAL STATION, from the Coast Guard Supply Center Brooklyn. (National stock number 7530-00-F02-1880; unit of issue: pad of 50 sheets.)
- b. Reporting units will receive NOAA Form 72-5a from the local NWS officer monitoring that unit.
- c. Stations providing special observations on NWS Form MF 1-10C, SURFACE WEATHER OBSERVATIONS, will receive them from the National Weather Service office monitoring that station's weather records.



CYDE E. ROBBINS
Chief, Office of Operations

- Encl: (1) Liaison with National Weather Service
(2) Communications and Format Procedures
(3) Instructions on Special Weather Reports
(4) Instructions for Radio Dissemination Program
(5) Instructions for Visual Dissemination Display Program
(6) Current List of Coastal Units

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LIAISON WITH NATIONAL WEATHER SERVICE

1. Required publications, manuals, forms, and corrections thereto, will be furnished by the NWS direct to the reporting unit. In addition, the NWS has agreed to visit each Coast Guard reporting unit on a mutually agreed, scheduled basis to provide instrument calibration and technical guidance. If a unit is not visited by NWS personnel within any 12 month period, the commanding officer or officer-in-charge of the unit concerned shall inform the Commandant (G-OIO), the district commander, and the National Weather Service Headquarters Marine Observations Program Office, at the address listed below:

NWS Headquarters

Marine Observation Program Leader
National Weather Service, NOAA
8060 13th Street
Silver Spring, MD 20910
(301) 472-7724 (FTS 427-7724)

2. National Weather Service Regional Offices and Port Meteorological Officers that will assist Coast Guard units are listed below:

ADDRESSES OF NATIONAL WEATHER SERVICE REGIONAL OFFICES

NWS Eastern Region
585 Stewart Avenue
Garden City, NY 11530
FTS 649-5431

NWS Western Region WFW4
Federal Building, Box 11188
Salt Lake City, UT 84147
FTS 588-5138

NWS Southern Region
819 Taylor Street
Fort Worth, TX 76102
FTS 334-2655

NWS Alaska Region WFA12
701 C St., Box 20
Anchorage, AK 99513
(907) 271-5121

NWS Central Region
601 E. 12th St.
Kansas City, MO 64106
FTS 758-3226

NWS Pacific Region WFP12
Prince Kuhio Federal Building
Room 4110, P.O. Box 50027
Honolulu, HI 96850
(808) 546-5688

ADDRESSES OF NATIONAL WEATHER SERVICE PORT METEOROLOGICAL OFFICERS

Atlantic Area

National Weather Service, NOAA
30 Rockefeller Plaza
New York, NY 10112
(212) 399-5569 (FTS 662-5569)

National Weather Service, NOAA
Building 51, Newark Airport
Newark, NJ 07114
(201) 624-8098 (FTS 341-6188)

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National Weather Service, NOAA
Norfolk International Airport
Norfolk, VA 23518
(804) 441-6326 (FTS 827-6326)

National Weather Service, NOAA
1600 Port Boulevard
Miami, FL 33132
(305) 358-6027

National Weather Service, NOAA
Jacksonville International Airport
Box 18367
Jacksonville, FL 32229

Great Lakes Area

National Weather Service, NOAA
Cleveland Hopkins International
Airport
Cleveland, OH 44135
(216) 267-0069 (FTS 942-4949)

National Weather Service, NOAA
O'Hare Office Bldg. 2, Rm 610
10600 West Higgins Road
Rosemont, IL 60018
FTS 353-4680/353-2455

Gulf Area

National Weather Service, NOAA
1120 Old Spanish Trail
Slidell, LA 70458
(504) 589-2808 (FTS 682-6891)

National Weather Service, NOAA
Route 6, Box 1048
Alvin, TX 77511
(713) 331-3752 (FTS 526-5834)

Pacific Area

National Weather Service, NOAA
7600 Sand Point Way, N.E.
Bin C15700
Seattle, WA 98115
(206) 526-6100 (FTS 392-6100)

National Weather Service, NOAA
Government Island Building 3
Alameda, CA 94501
(415) 273-6257 (FTS 536-6257)

National Weather Service, NOAA
2005 T Custom House
300 South Ferry Street
Terminal Island, CA 90731-7415

Panama Canal Zone

National Weather Service, NOAA
Box 1301
APO Miami 34005
(Local: Ft. Davis,
Republic of Panama)
46-7205

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Enclosure (2) to COMDTINST 3140.3D

COMMUNICATIONS AND FORMAT PROCEDURES

1. In order to promote uniformity from station to station and to allow entry into the DOD weather service computer, all weather messages sent from Coast Guard units under this program shall use the standardized message format described below. The information is to be taken from NOAA Form 72-5a, using the same abbreviations and numbers as found on the form.
2. Weather messages will be in a columnar format with specified spacings. Each message will always contain the five slash marks "/" in the positions indicated below even if the parameter contained between two slashes is missing. When the visibility is less than one mile, it will be reported to the nearest 1/4 mile using a slash between the two numbers. In this case there will be six slash marks in the message. All visibilities, wind speeds, sea and air temperatures, sea heights and periods will be at least two digits. If the number is less than 10, precede it with a zero (0). All temperatures will be reported in degrees Fahrenheit.
3. This message format is as follows:

ID WXVSB /WIND/WAVE/SEA/AIR/PRES REMARKS STATION NAME

Example:

9B5 CYR03 /NNE07/0605/54/64/BEAR ISLAND LS

This report is from Bear Island Light Station (9B5). The sky condition is cloudy (CY). The present weather is rain (R) with a visibility of three miles (03). The wind is north northeast (NNE) at seven knots (07). The sea has a height of six feet (06) and a period of five seconds (05). The sea water temperature is fifty-four degrees Fahrenheit (54) and the air temperature is sixty-four degrees Fahrenheit (64). Pressure information is not available at this station and there are no remarks, but the final slash "/" must be included following the air temperature. Pressure would be reported after the final slash in the same format as noted on Form 72-5a, i.e., only four digits (1013 if millibars or 3014 if inches, for example). The last entry on each message will be the station name.

4. The spacing for each column will be:

ID	Station location identifier, four spaces. The last space in this column will always be blank.
WXVSB	Sky condition, present weather and visibility, eight spaces.
/WIND	Wind direction and speed, five spaces following the first slash.
/WAVE	Wave height and period, four spaces following the second slash.

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/SEA Sea temperature, three spaces following the third slash.
/AIR Air temperature, three spaces following the fourth slash.
/PRES Entered after final slash, if available.
REMARKS Entered after final slash, if available.
STATION NAME Entered after all data entries.

Available data are entered in each column starting with the first space. Any blank spaces will follow after the data entry. Spaces are not required to separate information within the same column.

5. While individual stations or districts may be using different methods of delivering reports to the NWS, the observations are generally collected from the various stations by the group commanders utilizing radio, teletype or telephone. They are then sent to the district communications center via teletype which consolidates the reports for transmission to the NWS office. The bulletin heading to be used on the report sent to the NWS should be in the following format:

SXUSS (ICAO Location Identifier of District)(Date-time Group)

There should be no "Z" following the date-time group. The bulletin heading is then followed by the Message Format Line and the consolidated station reports, as shown in this example from the First Coast Guard District.

SUXS8 KBOS 271200

ID	WXVSB	/WIND	/WAVE	/SEA	/AIR	/PRES	REMARKS	STATION NAME
9B5	CYRO2	/NE08	/0105/82	/79	/3000		BEAR ISLAND LIGHT	
0B9	PC07	/NE03	/CALM/	/74	/3014		GOAT ISLAND LIGHT	
14B	C10	/NW15	/	/	/76	/3017G20	DUCK ISLAND LS	
21B	CH05	/	/	/	/	/MT	DESERT LS	

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/SEA Sea temperature, three spaces following the third slash.
/AIR Air temperature, three spaces following the fourth slash.
/PRES Entered after final slash, if available.
REMARKS Entered after final slash, if available.
STATION NAME Entered after all data entries.

Available data are entered in each column starting with the first space. Any blank spaces will follow after the data entry. Spaces are not required to separate information within the same column.

5. While individual stations or districts may be using different methods of delivering reports to the NWS, the observations are generally collected from the various stations by the group commanders utilizing radio, teletype or telephone. They are then sent to the district communications center via teletype which consolidates the reports for transmission to the NWS office. The bulletin heading to be used on the report sent to the NWS should be in the following format:

SXUSS (ICAO Location Identifier of District)(Date-time Group)

There should be no "Z" following the date-time group. The bulletin heading is then followed by the Message Format Line and the consolidated station reports, as shown in this example from the First Coast Guard District.

SUXS8 KBOS 271200

ID	WXVSB	/WIND	/WAVE	/SEA	/AIR	/PRES	REMARKS	STATION NAME
9B5	CYRO2	/NE08	/0105/82	/79	/3000		BEAR ISLAND LIGHT	
0B9	PC07	/NE03	/CALM/	/74	/3014		GOAT ISLAND LIGHT	
14B	C10	/NW15	/	/	/76	/3017G20	DUCK ISLAND LS	
21B	CH05	/	/	/	/	/MT	DESERT LS	

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INSTRUCTIONS FOR RADIO DISSEMINATION PROGRAM

1. Weather information supplied by the National Weather Service (NWS) shall be included in the Weather and Marine Information Broadcasts from Coast Guard stations on frequencies designated by the Commandant for this purpose. Warnings affecting small boats shall be given the widest dissemination and need not be confined to those stations designated to make regular broadcasts. The district commander is authorized to take such additional action as deemed necessary to ensure widest dissemination of information during severe weather conditions, particularly by designating additional broadcasts on VHF-FM, which has a limited range. Weather forecasts and advisories included in the broadcasts shall be limited to official information furnished by the Weather Service and shall identify the source (i.e., NWS) of the information.
 2. Locally observed weather conditions, or conditions reported to the Coast Guard from external sources, which present a hazard to marine traffic should be broadcast at unscheduled times by a means commensurate with the area of the hazard. For example, the sighting of a water spout in coastal waters would necessitate a VHF-FM broadcast similar to this: "At 1800 local, a water spout was reported to the Coast Guard approximately 20 miles east of the New Smyrna Beach, Florida."
 3. Stations authorized to initiate small craft visual warning displays based upon locally observed weather shall also make unscheduled radio transmissions by broadcasting alerts on 2182 KHz and 156.8 MHz (CH-16), and then shifting to 2670 KHz and 157.1 MHz (CH-22), at such times as they initiate small craft advisories. The transmission shall state that small craft displays are in effect for the local area based upon observed weather conditions. Wind and sea conditions observed shall be included in the transmission.
 4. The Coast Guard and National Weather Service have agreed that all weather and warning messages originated by the NWS for further dissemination by the Coast Guard shall contain brief instructions as to the action desired. These instructions shall be incorporated in the heading by the originating NWS office. Arrangements for obtaining the weather information to be broadcast shall be made locally between the district commander and the cognizant NWS Region.
 5. All information disseminated by radiotelephone, radiotelegraph, radioteletype, or facsimile shall be broadcast in accordance with the requirements of the Coast Guard Telecommunications Manual COMDTINST M2000.3A and additional local instructions promulgated by the district commander.
 6. District commanders shall encourage an increased number of regularly scheduled broadcasts of marine weather by commercial broadcast stations wherever possible.
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INSTRUCTIONS FOR COASTAL WARNING DISPLAY PROGRAM

1. National Weather Service (NWS) Operations Manual Section 10.3, which is attached, describes National Weather Service policy on coastal warning display stations and delegation of authority to the Coast Guard, under certain specified conditions, to initiate small craft displays. The following additional information is furnished to amplify the NWS instructions:
 - a. Coastal warning signals shall be hoisted, changed, and taken in only upon receipt of NWS information from the district commander or the National Weather Service except at those units specifically authorized to initiate small craft displays. They shall be hoisted, changed and taken in promptly at the time indicated in the message. They are not to be taken in automatically at the end of a 24 hour period.
 - b. The time of receipt of coastal warning information and the time of displaying, changing, and taking in storm warnings shall be logged in the same manner as for aids to navigation.
 - c. Any interference with the unit's capability to display coastal warning signals shall be reported promptly to the monitoring NWS office and to the district commander.
 - d. Night coastal warning signals shall not be displayed by any Coast Guard vessel.
 - e. Units not specifically designated as display stations shall not display coastal warning signals.
2. When information is received by a district commander from the monitoring NWS office or from a designated coastal marine signal display station, either Coast Guard or civilian, that a station is established, moved, changed from day to both day and night, or vice versa, permanently or temporarily discontinued, resuming display after being inoperative, or changing its name, the district commander shall issue an appropriate local Notice to Mariners and take such other action as may be indicated.
3. The National Weather Service will furnish to each participating Coast Guard district commander with copy to COMDT (G-OIO), annually, a list of marine visual display stations. Upon receipt, each district commander will arrange for a list of stations within his district to be published in the local Notice to Mariners.
4. Questions regarding maintenance of display poles and lights, or for supplies for this program should be directed to the local NWS Regional office.

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NSW OPERATIONS MANUAL SECTION 10.3

MARINE SERVICES FOR COASTAL, OFFSHORE, AND HIGH SEAS (D-51)

14. Coastal Warning Display (CWD) Program. Marine weather dissemination originated with the CWD program in the late 1800's. In recent years NWR (NOAA Weather Radio) has become the recommended dissemination mode, but CWD's still serve local needs at about 200 locations around the country. Although of limited range and informational value, the Coast Guard and organized boating groups strongly recommend their continuance. A high percentage of CWD's are operated by the Coast Guard or state and local government (State Parks, Harbor Masters, etc.).

14.1 Program Management. CWD sites are supervised by the WSFO's/WSO's and managed by Regional Headquarters under Marine and Applied Service Branch (W/OM12) cognizance. Any action affecting CWD sites shall be noted on WS Form B-53 Marine Warning Display Station Record by the Regional Headquarters.

14.2 Operation. The display person shall be requested to promptly raise and lower the signals upon notification by the NWS and encouraged to receive notification via NOAA Weather Radio. Telephone notification is the least reliable and should be considered only as a last resort.

Personnel at display sites shall be instructed to notify the supervising NWS office immediately when the CWD becomes inoperative. An appropriate Local Notice to Mariners (LNTM) shall be issued if displays cannot be resumed. A LNTM shall be filed for any changes in CWD operation including establishment, disestablishment, physical relocation, inoperative or restored to operation, change in day or night display status, etc. Local Notice to Mariners information shall be sent by the supervising NWS office to the U.S. Coast Guard District Commander for both publication and broadcast.

Examples:

FOR LOCAL NOTICE TO MARINERS, COASTAL WARNING DISPLAY STATION FOR DAY DISPLAYS ONLY ALL YEAR CASINO PIER GULFPORT FLORIDA MOVED TO GULFPORT YACHT BASIN LATITUDE 27 DEGREES 44.0 MINUTES NORTH LONGITUDE 83 DEGREES 41.0 MINUTES WEST 17 APRIL 1985.

FOR LOCAL NOTICE TO MARINERS, COASTAL WARNING DISPLAY STATION FOR DAY AND NIGHT DISPLAYS AT CITY PARK, FORT MONROE, VA., BECAME INOPERATIVE 6 OCT 1985.

FOR LOCAL NOTICE TO MARINERS. COASTAL WARNING DISPLAY STATION FOR DAY DISPLAYS ONLY AT BR NECK, MD., DISCONTINUED 10 AUG 1985.

14.3 Authority of Coast Guard to Initiate Local Small Craft Advisories. In order to provide for a more prompt reaction to hazardous conditions that are observed, but not yet in the forecast, qualified Coast Guard personnel may hoist small craft pennants and/or activate lights when existing wind or wave conditions reach the criteria established for small craft advisories. This authority is subject to the following conditions:

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- a. An NWS office must be immediately notified by telephone of the advisory and of the existing wind and wave conditions.
- b. Upon notification by the Coast Guard, the WSFO/WSO with warning responsibility shall promptly issue a Small Craft Advisory or Special Marine Warning and revise, as necessary, the existing forecasts to reflect these reported local conditions.

14.4 Annual List of Display Stations. A list of CWD's shall be updated annually by each region on or before April 1. Copies shall be distributed as follows:

- a. Marine and Applied Services Branch W/OM12.
- b. Appropriate Coast Guard District for publication in Local Notice to Mariners.
- c. COMDT (G-OIO) U.S. Coast Guard Headquarters, Washington, D.C.
- d. Nautical Data Unit N/CG2222 for nautical chart entry.
- e. Coast Pilot Section N/CG223 for referencing in Coast Pilot series.

WSOM Issuance
86-4 6-1-86

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ST	ID	NAME	LAT	LONG	#-DAILY-OBS	OBS-SCHED
29B		Boston Lt.	4219N	7053W	5	note 8
45B		Brant Pt. Sta.	4117N	7005W	8	note 1
30B		Cape Cod Canal Sta.	4147N	7030W	8	note 1
67B		Castle Hill Sta.	4128N	7122W	8	note 1
31B		Chatham Sta.	4140N	6957W	8	note 1
34N		Eaton's Neck Sta.	4057N	7324W	8	note 1
45N		Fire Island Sta.	4031N	7326W	8	note 1
34B		Gloucester Sta.	4235N	7040W	5	note 8
OB9		Goat Island Lt. Sta.	4320N	7024W	5	note 5
26B		Isles of Shoals Lt. Sta.	4258N	7037W	8	note 1
N11		Long Island Sound GROUP	4116N	7254W	8	note 1
18B		Manana Island FSS	4346N	6920W	8	note 1
54N		Manasquan Inlet Sta.	4006N	7401W	8	note 1
32B		Menemsha Sta.	4121N	7046W	8	note 1
35B		Merrimac River Sta.	4249N	7052W	8	note 1
48N		Montauk Sta.	4101N	7558W	8	note 1
49N		Moriches Sta.	4047N	7245W	8	note 1
18N		New London Ledge Lt.	4118N	7205W	8	note 1
96B		Owls Head Lt. Sta.	4405N	6902W	5	note 5
PJI		Point Judith Sta.	4122N	7129W	8	note 1
2B8		Portland Head Lt. Sta.	4337N	7012W	5	note 5
25B		Portsmouth Harbor Sta.	4304N	7043W	8	note 1
36B		Provincetown Sta.	4204N	7010W	8	note 1
50N		Rockaway Sta.	4034N	7353W	8	note 1
56N		Sandy Hook Sta.	4028N	7401W	8	note 1
51N		Short Beach Sta.	4035N	7333W	8	note 1
24B		West Quoddy Head Lt. Sta.	4449N	6657W	5	note 5
55N		Atlantic City Sta.	3923N	7425W	8	note 1
78N		Barnegat Sta.	3946N	7406W	8	note 1
W51		Cape Charles Sta.	3713N	7600W	8	note 1
62W		Cape Henry Lt. Sta.	3656N	7600W	6	note 4
N91		Cape May GROUP	3857N	7453W	8	note 1
66W		Cove Point Lt. Sta.	3823N	7623W	6	note 4
W06		Crisfield Moorings CG	3759N	7552W	3	note 9
OW8		Eastern Shore GROUP	3751N	7525W	8	note 1
61N		Indian River Inlet Sta.	3837N	7504W	8	note 1
63W		Milford Haven Sta.	3729N	7619W	8	note 1
78W		Oak Island Sta.	3353N	7801W	8	note 1
W30		Ocean City Sta.	3820N	7505W	8	note 1
45W		Ocracoke Sta.	3507N	7559W	8	note 1
79W		Oregon Inlet Sta.	3546N	7531W	8	note 1
64W		Parramore Beach Sta.	3732N	7537W	8	note 1
67W		Stillpond Sta.	3920N	7606W	8	note 1
3W4		Swansboro Sta.	N	W	8	note 1
65W		Thomas Point Lt. Sta.	3854N	7626W	8	note 1
1W9		Wrightsville Beach Sta.	3411N	7749W	8	note 1
X91		Egmont Key Lt. Sta.	2736N	8246W	8	note 1
X89		Fort Myers Sta.	2627N	8157W	8	note 1
X82		Fort Pierce Sta.	2728N	8018W	8	note 1
X84		Islamorada Sta.	2754N	8035W	8	note 1
X81		Lake Worth Inlet Sta.	2646N	8003W	8	note 1
X88		Marathon Sta.	2443N	8107W	8	note 1
MJ1		St. Simons Sta.	3108N	8122W	8	note 1
IJ2		Tybee Sta.	3201N	8051W	8	note 1

8	Destin Sta.	N	W	8	note 1
8	8R8 Freeport Sta.	2857N	9518W	8	note 1
8	Gulfport Sta.	N	W	8	note 1
8	New Canal Sta.	N	W	8	note 1,16
8	Pascogoula Sta.	N	W	8	note 1
8	9R1 Port Aransas Sta.	2750N	9704W	8	note 1,16
8	9R3 Port Isabel Sta.	2604N	9710W	8	note 1
8	8R9 Port O'Conner Sta.	2826N	9626W	8	note 1
9	6B3 Alexandria Bay Sta.	N	W	12	note 2
9	20G Ashtabula Lt. Sta.	4155N	8048W	12	note 2
9	31G Belle Isle Sta.	4220N	8258W	12	note 2
9	19G Buffalo BASE	4253N	7853W	12	note 2
9	Y09 Charlevoix Sta.	N	W	12	note 2
9	30Y Duluth Sta.	4646N	9205W	12	note 2
9	25G Erie Sta.	4207N	8005W	12	note 2
9	14C Frankfort Sta.	4438N	8615W	12	note 2
9	27Y Grand Marais Sta.	N	W	12	note 2
9	16C Kenosha Sta.	4235N	8745W	12	note 2
9	27G Lorain Sta.	4128N	8211W	12	note 2
9	17C Ludington Lt. Sta.	4357N	8628W	12	note 2
9	21G Marblehead Lt. Sta.	4133N	8244W	12	note 2
9	34Y Marquette Lt. Sta.	4633N	8723W	12	note 2
9	18C Michigan City Sta.	4143N	8654W	12	note 2,17
9	15C Milwaukee BASE	4301N	8757W	12	note 2,17
9	19C Muskegon Lt. Sta.	4314N	8620W	12	note 2,17
9	13G Niagara Sta.	4316N	7904W	12	note 2
9	28G Oswego Sta.	4328N	7631W	12	note 2
9	33G Port Huron Sta.	4300N	8225W	12	note 2
9	32Y Portage Sta.	4714N	8838W	12	note 2
9	26G Rochester Lt. Sta.	4315N	7736W	12	note 2
9	30G Saginaw River Sta.	4338N	8351W	12	note 2
9	44Y Sault Ste. Marie ANT	4630N	8420W	12	note 2,17
9	21C Sheboygan Sta.	4345N	8742W	12	note 2,17
9	41Y St. Clair Shores Sta.	4228N	8226W	12	note 2
9	38Y St. Ignace Sta.	4551N	8443W	12	note 2
9	20C St. Joseph Sta.	4207N	8629W	12	note 2
9	OY2 Sturgeon Bay Sta.	N	W	12	note 2
9	39Y Tawas Pt. Lt. Sta.	4415N	8326W	12	note 2,17
9	24G Toledo Sta.	4142N	8327W	12	note 2
9	C58 Two Rivers Sta.	N	W	12	note 2
11	91Q Angel Island/Point Blunt	3751N	12225W	8	note 1
11	92Q Bodega Bay Sta.	3319N	12303W	8	note 1
11	88Q Humbolt Bay Sta.	4046N	12414W	8	note 1
11	67Q Lake Tahoe Sta.	3911N	12007W	8	note 1
11	93Q Pigeon Pt. Lt.	7311N	12224W	8	note 1
11	99Q Port Chicago	3802N	12202W	8	note 1
11	94Q Pt. Bonita Lt	3749N	12232W	8	note 1
11	87Q Pt. Piedras Blancas	3540N	12117W	8	note 1
11	95Q Pt. Pinos Lt.	3638N	12156W	8	note 1
11	98Q Rio Vista Sta.	3809N	12142W	8	note 1
11	L82 Teriminal Island	3344N	11816W	8	note 1
13	91S Alki Point Lt. Sta.	N	W	0	note 15
13	82S Cape Disappointment Sta.	4617N	12403W	6	note 4
13	P47 Chetco River Sta	N	W	6	note 3
13	83S Coos Bay Sta	4321N	12420W	6	note 3
13	84S Grays Harbor Sta	4655N	12406W	6	note 4
13	98S Mukilteo Lt. Sta	4757N	12218W	6	note 4

3	8S7	Neah Bay Sta	N	W	6	note 4
3	99S	Point Robinson Lt. Sta	4723N	12222W	3	note10
3	NOW	Port Angeles Group	4808N	12324W	6	note 4
3	97S	Pt. No Point Lt. Sta	4755N	12232W	3	note10
3	87S	Quillayute River Sta	4754N	12438W	6	note 4
3	85S	Siuslaw River Sta	4400N	12407W	6	note 3
3	88S	Tillamook Bay Sta	4534N	12355W	5	note 7
3	90S	Umpqua River Sta	4341N	12410W	6	note 3
3	43S	West Point Lt. Sta	4740N	12226W	6	note 4
3	95S	Yaquina Bay Sta	4438N	12404W	6	note 3
4	1Z2	Upola Point LORSTA	2015N	15553W	3	note11
7	FIV	Five Finger Lt. Sta.	5716N	13337W	10	note12
7	KPC	Port Clarence LORSTA	6515N	16652W	7	note13
7	Z12	Tok LORSTA	N	W	5	note

Note # Obs Schedules (all times ZULU)

1	=	0000,0300,0600,0900,1200,1500,1800,2100
2	=	0000,0200,0400,0600,0800,1000,1200,1400,1600,1800,2000,2200
3	=	0000,0300,0600,1500,1800,2100
4	=	0000,0300,1200,1500,1800,2100
5	=	0000,1200,1500,1800,2100
6	=	1200,1400,1600,1800,2000
7	=	0000,0300,1500,1800,2100
8	=	1200,1500,1800,2100
9	=	1500,1800,2100
10	=	0000,1800,2100
11	=	0000,0600,1800
12	=	0000,0500,0800,1100,1400,1500,1700,1900,2000,2300
13	=	0000,0200,0400,1600,1800,2000,2200
14	=	0600,0900,1200,1500,1800,2000
15	=	ON CALL
16	=	NON-REPORTING
17	=	SEA WATER TEMP.
18	=	0000,0600,0900,1200,1500,1800,2100

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6) to COMDTINST 3140.3D

3	8S7	Neah Bay Sta	N	W	6	note 4
3	99S	Point Robinson Lt. Sta	4723N	12222W	3	note10
3	NOW	Port Angeles Group	4808N	12324W	6	note 4
3	97S	Pt. No Point Lt. Sta	4755N	12232W	3	note10
3	87S	Quillayute River Sta	4754N	12438W	6	note 4
3	85S	Siuslaw River Sta	4400N	12407W	6	note 3
3	88S	Tillamook Bay Sta	4534N	12355W	5	note 7
3	90S	Umpqua River Sta	4341N	12410W	6	note 3
3	43S	West Point Lt. Sta	4740N	12226W	6	note 4
3	95S	Yaquina Bay Sta	4438N	12404W	6	note 3
4	122	Upola Point LORSTA	2015N	15553W	3	note11
7	FIV	Five Finger Lt. Sta.	5716N	13337W	10	note12
7	KPC	Port Clarence LORSTA	6515N	16652W	7	note13
7	Z12	Tok LORSTA	N	W	5	note

Note # Obs Schedules (all times ZULU)

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 6 = 1200,1400,1600,1800,2000
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 10 = 0000,1800,2100
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 12 = 0000,0500,0800,1100,1400,1500,1700,1900,2000,2300
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 15 = ON CALL
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